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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,190	01/20/2006	Masahiro Nomura	Q92733	9238
23373 SUGHRUE MI	7590 03/18/200 ON, PLLC	EXAMINER		
2100 PENNSYLVANIA AVENUE, N.W.			NGUYEN, HIEP	
	SUITE 800 WASHINGTON, DC 20037		ART UNIT	PAPER NUMBER
			2816	
			MAIL DATE	DELIVERY MODE
			03/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/565,190	NOMURA, MASAHIRO			
Office Action Summary	Examiner	Art Unit			
	HIEP NGUYEN	2816			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
earned patent term adjustment. See 37 CFR 1.704(b).	•	,			
Status					
 1) Responsive to communication(s) filed on 12 December 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-26 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,6,10,11,18 and 19 is/are rejected. 7) ☐ Claim(s) 20-26 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 01-20-06 is/are: a) ☐ a Applicant may not request that any objection to the ore Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Examine 11.	ccepted or b)⊠ objected to by th drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the recitation "the blocking unit" in claims 6 and 10 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claim 21 is objected to because of the following informalities: the recitation "if" in claim 21 is not a positive recitation. It should be changed to--when--. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claims 6, 10 and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Correction and /or clarification is required.

Regarding claims 6, 10 and 11, the recitation: "a blocking unit that blocks a clock signal" is indefinite because it is confusing and unclear. Figure 22 of the present application shows that the clock signal is <u>directly</u> supplied to the block circuits (31, 32).

Claims 20 and 21 are indefinite because of the technical deficiency of claim 6.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 6, 11 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Seno et al. (US 2002/0190283).

Regarding claim 1, figures 7 and 17 of Seno show a multiple -supply-voltage semiconductor device comprising a plurality of blocks (FF1- FF1) receiving independent clocks and operating with a plurality of power supply voltage (Vdd). Note that supply voltage (Vdd) has a plurality of values [0205]; a variable delay circuits (BF2-1, BF2-2) providing delay for clock signals inputting to the plurality of blocks (FF1-FF3). The clock generator circuit is circuit (22).

Regarding claim 2, when the power supply decreases, the circuit conducts less thus; the delay increases.

Regarding claim 3, figure 7 and 17 of Seno show a multiple -supply-voltage semiconductor device comprising a plurality of blocks (FF1-FF3) operating with a plurality of

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power supply voltages (Vdd); a voltage detector circuit, figure 17, detects supply voltage (Vdd); a variable delay circuit (BF2-1, BF2-2) changing the amount of delay in according to the voltage level detected and providing clocks to the plurality of blocks.

Regarding claims 6, 10 and 11, the voltage detector is the circuit of figure 17 and the variable delay circuit (BF2-1, BF2-2) changes the amount of delay in accordance with the voltage level detect signal.

Regarding claim 18, the variable delay circuit (BF2-1, BF2-2) comprises a plurality of inverters connected in series.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Seno et al. (US 2002/0190283) in view of Srinivasan et al. (US 6,262,616).

Regarding claim 19, figure 1 of Seno includes all the limitation of this claim except for the limitation that the delay circuit comprises a plurality of inverters stacked vertically. However, it is old and well known to one of ordinary skill in the art that the delay circuit can comprise stacked vertical inverters as shown in figure 4 of Srinivasan.

Allowable Subject Matter

Claims 20-26 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to HIEP NGUYEN whose telephone number is (571)272-1752. The examiner can normally be reached on Monday to Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Richard N can be reached on (571) 272-1736. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tuan T. Lam/

Primary Examiner, Art Unit 2816

/H. N./

Examiner, Art Unit 2816